Terry R Mcafee

List of Publications by Year
in descending order

24 papers	1,412 citations	1040056 9 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	2199 citing authors

#	Article	IF	Citations
1	Quantitative relations between interaction parameter, miscibility and function in organic solar cells. Nature Materials, 2018, 17, 253-260.	27.5	556
2	Mobility-Controlled Performance of Thick Solar Cells Based on Fluorinated Copolymers. Journal of the American Chemical Society, 2014, 136, 15566-15576.	13.7	249
3	Highâ€Performance Nonâ€Fullerene Polymer Solar Cells Based on a Pair of Donorâ€“Acceptor Materials with Complementary Absorption Properties. Advanced Materials, 2015, 27, 7299-7304.	21.0	230
4	Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of Highâ€Performance PffBT4Tâ€2OD:PC₇₁BM Organic Solar Cells. Advanced Energy Materials, 2015, 5, 1501400.	19.5	166
5	Tuning Open-Circuit Voltage in Organic Solar Cells with Molecular Orientation. ACS Applied Materials & Interfaces, 2015, 7, 13208-13216.	8.0	64
6	Tuning Local Molecular Orientationâ€“Composition Correlations in Binary Organic Thin Films by Solution Shearing. Advanced Functional Materials, 2015, 25, 3131-3137.	14.9	29
7	Automatic Control of Polymer Molecular Weight during Synthesis. Macromolecules, 2016, 49, 7170-7183.	4.8	27
8	Morphological, Optical, and Electronic Consequences of Coexisting Crystal Orientations in Î²-Copper Phthalocyanine Thin Films. Journal of Physical Chemistry C, 2016, 120, 18616-18621.	3.1	15
9	Online Optimal Feedback Control of Polymerization Reactors: Application to Polymerization of Acrylamideâ€“Waterâ€“Potassium Persulfate (KPS) System. Industrial & Engineering Chemistry Research, 2017, 56, 7322-7335.	3.7	14
10	Automatic Synthesis of Multimodal Polymers. Macromolecular Reaction Engineering, 2017, 11, 1600072.	1.5	11
11	Automatic, simultaneous control of polymer composition and molecular weight during free radical copolymer synthesis. Polymer, 2018, 136, 235-247.	3.8	8
12	Toward Single-Crystal Hybrid-Carbon Electronics: Impact of Graphene Substrate Defect Density on Copper Phthalocyanine Film Growth. Crystal Growth and Design, 2014, 14, 4394-4401.	3.0	7
13	Organic Solar Cells: Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC71BM Organic Solar Cells (Adv. Energy Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	19.5	4
14	Monitoring Charge Separation Processes in Quasi-One-Dimensional Organic Crystalline Structures. Nano Letters, 2017, 17, 6056-6061.	9.1	5
15	Coupling of NMR to ACOMP for Terpolymerization Monitoring and Control. Macromolecular Reaction Engineering, 2019, 13, 1900039.	1.5	4
16	Absolute intensity calibration for carbon-edge soft X-ray scattering. Journal of Synchrotron Radiation, 2020, 27, 1601-1608.	2.4	4
17	Thermally Induced Dewetting in Ultrathin C₆₀ Films on Copper Phthalocyanine. Journal of Physical Chemistry C, 2013, 117, 26007-26012.	3.1	3
18	Disruption of Molecular Ordering over Several Layers near the Au/2,8-Difluoro-5,11-bis(triethylsilylethynyl) Anthradithiophene Interface. Crystal Growth and Design, 2015, 15, 822-828.	3.0	3

#	Article	IF	Citations
19	Orientational Ordering within Semiconducting Polymer Fibrils. Advanced Functional Materials, 2021, 31, 2102522.	14.9	3
20	Evidence That Sharp Interfaces Suppress Recombination in Thick Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 56394-56403.	8.0	3
21	Intrinsic Charge Trapping Observed as Surface Potential Variations in diF-TES-ADT Films. ACS Applied Materials & Interfaces, 2016, 8, 21490-21496.	8.0	2
22	Growth of thermally stable crystalline C₆₀ films on flat-lying copper phthalocyanine. Journal of Materials Chemistry A, 2016, 4, 1028-1032.	10.3	2
23	Temperature controlled interlayer disorder in ultrathin films of Î±-sexithiophene. Thin Solid Films, 2017, 642, 182-187.	1.8	2
24	Thin Films: Tuning Local Molecular Orientation-Composition Correlations in Binary Organic Thin Films by Solution Shearing (Adv. Funct. Mater. 21/2015). Advanced Functional Materials, 2015, 25, 3106-3106.	14.9	0